Sediment Sampling Approach as Part of *Additional Sediment Characterization within Parcel 4 of the Southwest Marine Leasehold Area Port of Los Angeles, Berths 243-245*

The objective of this investigation is to further delineate sediment chemical concentrations in Parcel 4 of the former Southwest Marine leasehold area within Port of Los Angeles. Sediment will be collected to 20 ft or refusal using a vibracore sampling device at 11-12 locations. As shown in Figure 1 below, samples to be collected from the 12 stations include 11 deep sediment cores for further delineation of both vertical and horizontal sediment contaminant hot spots and one previously sampled station (3) in which the final depth of sediment contamination has not yet been determined. At station 3, a frozen sample archive (from 2005) will be submitted for physical and chemical analyses, pending sample integrity. If sample integrity at station 3 is impaired, another core will be collected from this location and only the 10-12 ft depth horizon will be analyzed in the first phase of chemical analyses. For six of the remaining 11 deep cores, cores will be collected at previously unsampled locations, sectioned into 2 ft horizons, and analyzed for chemical constituents using a phased approach. At one of the 11 deep cores (station 13), a 20 ft core will be collected, but only the 13-15 ft horizon will be analyzed in the first phase of chemical analysis, based on 2007 chemistry results from station 13, which demonstrated sediment contamination as deep as 12-13 ft. The four remaining deep cores will be segmented into 2 ft horizons and archived. No chemistry will be initially performed on these cores, but should additional resolution be required for more accurate determination of remediation volume, then cores will be analyzed within six months of collection. The chemical analyses[1] could include PCBs (congeners and aroclors), metals (including mercury), organochlorine pesticides, organotins, TOC, total solids, and grain size.

[1] Chemical analyses may be targeted at specific chemical classes, based on historical chemistry data.

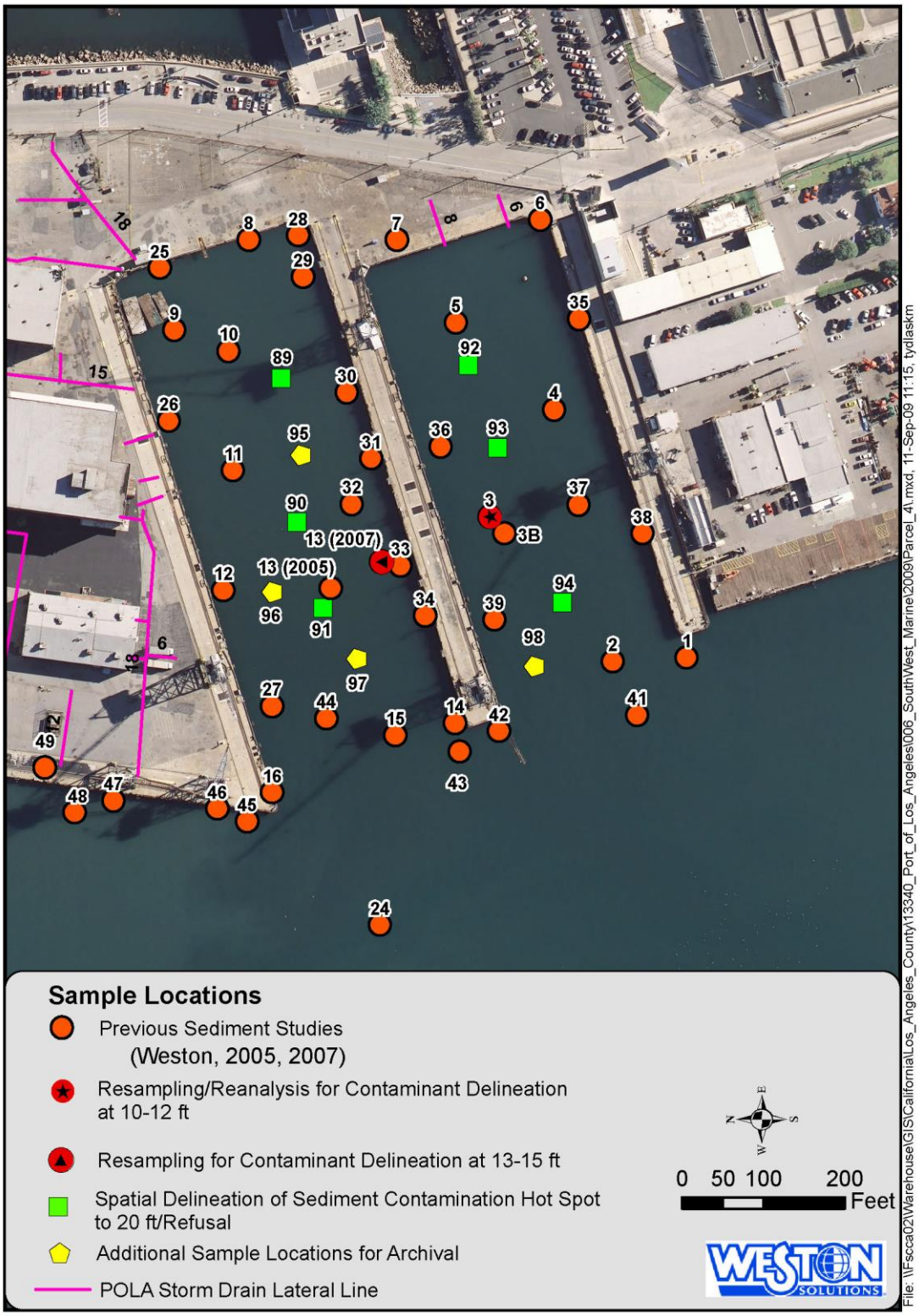

Figure 1. Proposed and Historical Sampling Locations in Parcel 4 of the Former Southwest Marine Leasehold Area, Port of Los Angeles